

Please amend the specification as follows:

Page 4, the paragraph at line 32:

The third one of the present invention is a method for preparation of a photo-catalyst represented by $Ti(IV)O_aNbF_c$ (wherein a, b and c are same as to first one of the present invention) by baking titanium di-ammonium fluoride halide containing at least F represented by $(HH_4)_2TiF_dX_{6-d}$ (wherein, d is integer of 1-6) and ammonium halide by the ratio of equimolar or by the ratio of slightly excess of ammonium halide at the maximum temperature from $200^{\circ}C$ to $500^{\circ}C$, desirably from $300^{\circ}C$ to $450^{\circ}C$ so as to form a starting material, then said starting material is nitrogenated by thermal synthesis in ammonia atmosphere containing from 0.02% to 10.00% of oxygen, air or water to ammonia by reduced mass to oxygen atom at the maximum temperature from $350^{\circ}C$ to $700^{\circ}C$, desirably from $400^{\circ}C$ to $600^{\circ}C$ over than 5 hours.

Page 5, the paragraph at line 7:

The fourth one of the present invention is a method for preparation of a photo-catalyst represented by $SrTi(IV)O_aNbF_c$ wherein a, b and c are same as to the first one of the present invention by baking titanium di-ammonium fluoride halide containing at least F represented by TiF_xX_{6-x} and/or $(HH_4)_2TiF_dX_{6-d}$ (wherein x and d are integer of 1-6) and at least one selected from the group consisting of SrO , $SrOH$ and SrX so as to form a starting material or $SrTiF_6$, then said starting material or $SrTiF_6$ is nitrogenated by thermal synthesis in ammonia atmosphere

containing from 0.02% to 10.00% of oxygen, air or water to ammonia by reduced mass to oxygen atom at the maximum temperature from 350°C to 700°C over than 5 hours.

Page 7, the paragraph at line 23:

The present invention will be illustrated more in detail.

A. The photo-catalysts of the present invention can be obtained by satisfying the essential factors described in the claims.

As the compound having chemical composition of $(HH_4)_2TiF_dX_{6-d}$, (wherein d is integer of 1·6) $(HH_4)_2TiF_6$ and $(HH_4)_2TiF_2XCl_4$ can be mentioned as the desirable one.